

ROCK	PIPE	X	Υ	Z
CLASS	ø IN.	FEET	FEET	FEET
1 BACKING	12	3	4	5
1 BACKING	15–18	4.5	6	7.5
1 BACKING	21-24	6	8	10
1 DACKING	27 70	7 5	10	10 5

MINIMUM DIMENSIONS

NO. 1 B/ NO. 1 BA NO. 1 BA NO. 1 BACKING 27-30 7.5 10 12.5 NO. 1 BACKING 9 12 15 NO. 1 BACKING 42 10.5 14 17.5 NO. 1 BACKING 48 12 16 20

- HAND PLACE ROCKS.
- ALL ROCKS SHALL BE ANGULAR AND HAVE TWO FACES.
- WHERE SLOPE OF OUTLET EXCEEDS 5%. A SEDIMENT BOWL OR ENERGY DISSIPATER SHALL BE REQUIRED.
- FLARED END SECTION AND ROCK SLOPE PROTECTION SHALL BE SLOPED AT A MIN. OF 1% INTO OR OUT OF CULVERT.
- 5. ALL CULVERTS OF 48 IN. OR LESS SHALL BE INSTALLED WITH FLARED END SECTIONS (FES) ON INLETS. REINFORCED CONCRETE HEADWALLS AND END WALLS WITH CUTOFF WALLS SHALL BE CONSTRUCTED FOR ALL PIPES LARGER THAN 48 IN. UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- ON OUTLET APPLICATIONS, 50% OF THE ROCKS SHALL BE LARGER THAN HALF THE DIAMETER OF THE PIPE.
- FOR ADDITONAL EROSION PROTECTION, ENGINEER MAY REQUIRE FILTER FABRIC BENEATH ROCK.